

**Species/Strain:** RATS/Wistar Han

**CAS Number:** 99685-96-8

**Lab: BNW**

F1\_RE

<b>C Number:</b>	C20407
<b>Lock Date:</b>	02/24/2009
<b>Cage Range:</b>	ALL
<b>Date Range:</b>	ALL
<b>Reasons For Removal:</b>	ALL
<b>Removal Date Range:</b>	ALL
<b>Treatment Groups:</b>	Include ALL
<b>Study Gender:</b>	Both
<b>TDMSE Version:</b>	2.2.0

Test Type: 90-DAY

Nanoscale material (Fullerene-C60 50 nanometers)

Time Report Requested: 08:54:50

Route: RESPIRATORY EXPOSURE NASAL

CAS Number: 99685-96-8

First Dose M/F: 11/05/07 / 11/05/07

Species/Strain: RATS/Wistar Han

Lab: BNW

Wistar Han RATS MALE

0 mg/m3

0.5 mg/m3

2.0 mg/m3

**Disposition Summary**

Animals Initially In Study

10

10

10

Early Deaths

Survivors

Terminal Sacrifice

10

10

10

Animals Examined Microscopically

10

10

10

## ALIMENTARY SYSTEM

Pancreas

(10)

(0)

(10)

Stomach, Forestomach

(10)

(0)

(10)

## CARDIOVASCULAR SYSTEM

Heart

(10)

(0)

(10)

## ENDOCRINE SYSTEM

Adrenal Cortex

(10)

(0)

(10)

Pituitary Gland

(10)

(0)

(10)

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Preputial Gland

(10)

(0)

(10)

Prostate

(10)

(0)

(10)

Testes

(10)

(0)

(10)

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: 90-DAY

Nanoscale material (Fullerene-C60 50 nanometers)

Time Report Requested: 08:54:50

Route: RESPIRATORY EXPOSURE NASAL

CAS Number: 99685-96-8

First Dose M/F: 11/05/07 / 11/05/07

Species/Strain: RATS/Wistar Han

Lab: BNW

## Wistar Han RATS MALE

0 mg/m3

0.5 mg/m3

2.0 mg/m3

## HEMATOPOIETIC SYSTEM

Lymph Node, Bronchial

(10)

(9)

(10)

Lymph Node, Mediastinal

(10)

(8)

(10)

Thymus

(10)

(0)

(10)

## INTEGUMENTARY SYSTEM

None

## MUSCULOSKELETAL SYSTEM

None

## NERVOUS SYSTEM

None

## RESPIRATORY SYSTEM

Lung

(10)

(10)

(10)

## SPECIAL SENSES SYSTEM

Harderian Gland

(10)

(0)

(10)

## URINARY SYSTEM

Kidney

(10)

(10)

(10)

Urinary Bladder

(10)

(0)

(10)

a - Number of animals examined microscopically at site and number of animals with lesion

Wistar Han RATS MALE	0 mg/m3	0.5 mg/m3	2.0 mg/m3
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Tumor Summary for Males

Total Animals with Primary Neoplasms (b)  
Total Primary Neoplasms

Total Animals with Benign Neoplasms  
Total Benign Neoplasms

Total Animals with Malignant Neoplasms  
Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms  
Total Metastatic Neoplasms

Total Animals with Malignant Neoplasms  
Uncertain Primary Site

Total Animals with Neoplasms Uncertain-  
Benign or Malignant  
Total Uncertain Neoplasms

\*\*\* END OF MALE \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion  
b - Primary tumors: all tumors except metastatic tumors

Wistar Han RATS FEMALE	0 mg/m3	0.5 mg/m3	2.0 mg/m3
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Disposition Summary

Animals Initially In Study	10	10	10
Early Deaths			
Survivors			
Terminal Sacrifice	10	10	10
Animals Examined Microscopically	10	10	10

ALIMENTARY SYSTEM

None			
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CARDIOVASCULAR SYSTEM

Heart	(10)	(0)	(10)
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ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(10)
Pituitary Gland	(10)	(0)	(10)

GENERAL BODY SYSTEM

None			
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GENITAL SYSTEM

Clitoral Gland	(10)	(0)	(10)
Ovary	(10)	(0)	(10)

HEMATOPOIETIC SYSTEM

Lymph Node, Bronchial	(10)	(10)	(10)
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a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: 90-DAY

Nanoscale material (Fullerene-C60 50 nanometers)

Time Report Requested: 08:54:50

Route: RESPIRATORY EXPOSURE NASAL

CAS Number: 99685-96-8

First Dose M/F: 11/05/07 / 11/05/07

Species/Strain: RATS/Wistar Han

Lab: BNW

## Wistar Han RATS FEMALE

0 mg/m3

0.5 mg/m3

2.0 mg/m3

Lymph Node, Mediastinal  
Thymus(8)  
(10)(8)  
(0)(10)  
(10)

## INTEGUMENTARY SYSTEM

None

## MUSCULOSKELETAL SYSTEM

None

## NERVOUS SYSTEM

None

## RESPIRATORY SYSTEM

Lung

(10)

(10)

(10)

## SPECIAL SENSES SYSTEM

Harderian Gland

(10)

(0)

(10)

## URINARY SYSTEM

Kidney

(10)

(10)

(10)

a - Number of animals examined microscopically at site and number of animals with lesion

Wistar Han RATS FEMALE	0 mg/m3	0.5 mg/m3	2.0 mg/m3
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Tumor Summary for Females

- Total Animals with Primary Neoplasms (b)  
Total Primary Neoplasms
- Total Animals with Benign Neoplasms  
Total Benign Neoplasms
- Total Animals with Malignant Neoplasms  
Total Malignant Neoplasms
- Total Animals with Metastatic Neoplasms  
Total Metastatic Neoplasms
- Total Animals with Malignant Neoplasms  
Uncertain Primary Site
- Total Animals with Neoplasms Uncertain-  
Benign or Malignant  
Total Uncertain Neoplasms

\*\*\* END OF REPORT \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion  
b - Primary tumors: all tumors except metastatic tumors